

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048623.D
 Acq On : 20 Nov 2025 08:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 21 00:26:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.531	168	211731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	335676	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140728	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	127887	43.347	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.700%
35) Dibromofluoromethane	5.361	113	107252	42.215	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.440%
50) Toluene-d8	8.628	98	339339	42.826	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	85.660%#
62) 4-Bromofluorobenzene	11.061	95	127825	43.288	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.580%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	89440	52.131	ug/l	99
3) Chloromethane	1.301	50	119616	52.566	ug/l	100
4) Vinyl Chloride	1.380	62	137166	53.239	ug/l	98
5) Bromomethane	1.611	94	85738	52.701	ug/l	100
6) Chloroethane	1.691	64	82484	48.886	ug/l	99
7) Trichlorofluoromethane	1.892	101	206186	50.585	ug/l	99
8) Diethyl Ether	2.130	74	77354	47.278	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	134070	56.816	ug/l	98
10) Methyl Iodide	2.453	142	166921	47.799	ug/l	98
11) Tert butyl alcohol	2.934	59	140652	251.592	ug/l	98
12) 1,1-Dichloroethene	2.325	96	129466	52.527	ug/l	91
13) Acrolein	2.233	56	16304	201.566	ug/l	91
14) Allyl chloride	2.660	41	213378	46.497	ug/l	94
15) Acrylonitrile	3.050	53	402859	246.851	ug/l	99
16) Acetone	2.367	43	316468	226.609	ug/l	99
17) Carbon Disulfide	2.514	76	276589	39.878	ug/l	99
18) Methyl Acetate	2.691	43	187060	48.741	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	426584	49.011	ug/l	100
20) Methylene Chloride	2.782	84	126642	44.108	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	115645	44.269	ug/l	95
22) Diisopropyl ether	3.739	45	423694	48.083	ug/l	89
23) Vinyl Acetate	3.703	43	1871923	242.555	ug/l	98
24) 1,1-Dichloroethane	3.599	63	223687	46.263	ug/l	98
25) 2-Butanone	4.526	43	473748	229.314	ug/l	97
26) 2,2-Dichloropropane	4.458	77	200841	48.724	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	139335	43.636	ug/l	94
28) Bromochloromethane	4.873	49	103933	43.757	ug/l	97
29) Tetrahydrofuran	4.971	42	377498	256.197	ug/l	99
30) Chloroform	5.068	83	254321	50.950	ug/l	99
31) Cyclohexane	5.458	56	192284	48.536	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	221284	50.797	ug/l	99
36) 1,1-Dichloropropene	5.672	75	164220	48.272	ug/l	99
37) Ethyl Acetate	4.684	43	230729	48.181	ug/l	97
38) Carbon Tetrachloride	5.653	117	191385	49.420	ug/l	98
39) Methylcyclohexane	7.360	83	204447	53.522	ug/l	95
40) Benzene	6.013	78	522017	49.502	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	109977	52.222	ug/l	98
42) 1,2-Dichloroethane	6.062	62	185354	51.300	ug/l	98
43) Isopropyl Acetate	6.312	43	355290	52.780	ug/l	99
44) Trichloroethene	7.104	130	135300	53.677	ug/l	99
45) 1,2-Dichloropropane	7.409	63	133177	54.925	ug/l	100
46) Dibromomethane	7.562	93	97559	55.165	ug/l	98
47) Bromodichloromethane	7.799	83	195763	55.487	ug/l	99
48) Methyl methacrylate	7.671	41	160816	53.741	ug/l	99
49) 1,4-Dioxane	7.635	88	54903	1204.094	ug/l	99
51) 4-Methyl-2-Pentanone	8.549	43	1032163	269.367	ug/l	100
52) Toluene	8.702	92	299378	53.923	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	193107	53.119	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	206643	54.896	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	124297	56.035	ug/l	98
56) Ethyl methacrylate	9.098	69	209279	56.708	ug/l	98
57) 1,3-Dichloropropane	9.287	76	202401	52.422	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	565927	285.228	ug/l	99
59) 2-Hexanone	9.409	43	755419	265.029	ug/l	100
60) Dibromochloromethane	9.500	129	152993	56.176	ug/l	100
61) 1,2-Dibromoethane	9.592	107	128938	53.667	ug/l	98
64) Tetrachloroethene	9.256	164	104572	52.598	ug/l	96
65) Chlorobenzene	10.061	112	340055	52.341	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.140	131	121586	55.853	ug/l	100
67) Ethyl Benzene	10.177	91	573276	52.546	ug/l	97
68) m/p-Xylenes	10.281	106	439520	106.968	ug/l	99
69) o-Xylene	10.622	106	213442	53.093	ug/l	99
70) Styrene	10.634	104	366648	54.369	ug/l	100
71) Bromoform	10.781	173	112012	55.773	ug/l	99
73) Isopropylbenzene	10.945	105	550354	53.878	ug/l	100
74) N-amyl acetate	10.823	43	261369	50.959	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	189976	52.737	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	155235m	45.787	ug/l	
77) Bromobenzene	11.177	156	141613	53.688	ug/l	99
78) n-propylbenzene	11.287	91	638486	53.158	ug/l	99
79) 2-Chlorotoluene	11.348	91	383479	52.836	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	445921	53.549	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	68284	57.609	ug/l #	78
82) 4-Chlorotoluene	11.433	91	448059	52.628	ug/l	100
83) tert-Butylbenzene	11.695	119	465788	54.079	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	454515	54.095	ug/l	99
85) sec-Butylbenzene	11.872	105	580336	54.516	ug/l	100
86) p-Isopropyltoluene	11.988	119	489583	54.704	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	261106	52.816	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	264808	51.858	ug/l	100
89) n-Butylbenzene	12.311	91	452542	53.901	ug/l	100
90) Hexachloroethane	12.518	117	91987	53.946	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	251174	52.925	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	44280	52.895	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	172386	54.662	ug/l	99
94) Hexachlorobutadiene	13.707	225	69322	52.583	ug/l	99
95) Naphthalene	13.756	128	574711	56.680	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	159045	54.218	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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